Ixxat®
BY HMS NETWORKS

CAN-IB230/PCIe 104

Active CAN Interface for PCI/104-Express

4 x CAN (High-Speed), 1 x CAN (Low-Speed), LIN

With the CAN-IB230/PCIe 104 HMS offers a PCI/104-Express board based on a modern and highly modular concept. The card covers the entire range of field buses, such as CAN (ISO 11898-2), fault tolerant CAN (ISO 11898-3) and LIN.

FEATURES AND BENEFITS

- Active board with 32 bit microcontroller
- 4 CAN channels
- Software-switchable high/low speed CAN interface
- Additional LIN interface
- Galvanic isolation of the CAN interface
- Uniform driver packages support all Ixxat CAN and CAN-FD interfaces and allow easy change of the PC interface type
- Powerful programming interface for Windows "VCI" as well as "ECI" for Linux, QNX, RTX, INtime and VxWorks

VERSIONS

The CAN-IB230/PCIe 104 is available with four CAN channels and galvanic isolated interfaces. For use in the automotive field one high-speed CAN channel can optionally be switched to low-speed CAN via software. Furthermore, the card can be equipped with one LIN interface. Multiple cards can be installed in one PC if more CAN channels are required.

TECHNICAL SPECIFICATIONS

PC bus interface	PCI express (V1.1)
PC address range	Plug & Play
Interrupts	Plug & Play
Microcontroller	32 bit microcontroller
CAN interface	2 or 4 CAN 2.0 A/B interfaces; bent 2 x 5 pin connector according to CiA 303-1; galvanic isolated (1 kV, 1 sec.) **Optional:** CAN Low-Speed (one channel can be switched via software between CAN High-Speed and Low-Speed)
LIN interface	**Optional:** one LIN (ISO 9141) interface; galvanic isolated

Power supply	3.3 V DC, 390 mA typ.
Temperature range	–40 ºC ... +85 ºC
Certification	CE, FCC
Size	Approx. 90 x 96 mm

CONTENTS OF DELIVERY

- PC/CAN interface card, manual
- Adapter cable IDC / DSub-9
- CAN driver VCI for Windows 11, Windows 10 (32/64) / Windows 8 (32/64) / Windows 7 (32/64) / Windows XP SP2 (older versions on request)
- Simple CAN monitor "canAnalyser Mini"

File	Version	Size	Read online

Order number

CAN HS ports	Galv. iso.	CAN HS/LS ports switchable	LIN ports	Order numbers
4	X	1	1	**1.01.0239.42001**

Accessories

Product image	Type	Order number
	Sub-D9 Connector with CAN Termination	1.04.0075.03000
	CAN cable	1.04.0076.00180
	Y CAN cable	1.04.0076.00001
More accessories and detailed information...		